In the Claims:

 (currently amended) A method of treating an object in a closed circuit solvent processing system, said system including a chamber, a first fluid supply tank in communication with said chamber and a second fluid supply tank in communication with said chamber, said method comprising the steps of:

placing an object to be processed in said chamber, <u>said chamber being filled with</u> <u>air at a first pressure;</u>

sealing said chamber:

reducing the pressure within said chamber <u>from said first pressure</u> to a second <u>pressure</u> to evacuate the air from said chamber to create a vacuum condition;

introducing a first fluid to said evacuated chamber from said first fluid supply tank to process said object;

removing said first fluid from said chamber to a first fluid holding tank to restore said vacuum condition;

drying said object and said chamber:

introducing a second fluid to said evacuated chamber from a second fluid supply tank to process the object;

removing said second fluid from said the chamber to a second fluid holding tank; drying said object and said chamber;

introducing a non-condensable gas to said chamber to return the pressure within said chamber to atmospheric pressure; and

opening said chamber to remove said object.

- (original) The method of treating an object in claim 1 wherein said step of reducing the pressure within said chamber comprises reducing the pressure to between atmospheric pressure and zero absolute pressure.
- 3. (original) The method of treating an object in claim 1 wherein said first and second fluids are selected from the group consisting of: organic solvents, water and aqueous solutions.
- 4. (original) The method of treating an object in claim 1 wherein the method used in the steps of introducing said first fluid and said second fluid into said chamber is selected from the group consisting of: liquid spray and liquid soak.
- 5. (original) The method of treating an object in claim 1 wherein the fluid state of said first and second fluids during the steps of introducing said first fluid and said second fluid into said chamber is selected from the group consisting of: vapor, gas-vapor mixture and aerosol spray.
- 6. (currently amended) The method of treating an object in claim 1 wherein said first fluid in said first fluid supply tank and said second fluid in said second fluid supply tank each contain are comprised of a mixture of chemicals, wherein the mixture of chemicals in the first tank and the mixture of chemicals in the second tank are both a mixture of the same chemicals in differing concentrations.

- 7. (original) The method of treating an object in claim 1 wherein said first fluid in said first fluid supply tank and said second fluid in said second fluid supply tank each contain a mixture of different chemicals.
- 8. (currently amended) The method of treating an object in claim 1 wherein said steps step of recovering and retaining said first fluid and second fluids from said chamber further comprises comprises:

withdrawing a first portion of said <u>first</u> fluid from said chamber in a liquid state; and

withdrawing the remaining portion of said <u>first</u> fluid from said chamber in a vapor state.

and said step of recovering and retaining said second fluid from said chamber further comprises:

withdrawing a first portion of said second fluid from said chamber in a liquid state;
and

withdrawing the remaining portion of said second fluid from said chamber in a vapor state.

9. (currently amended) The method of treating an object in claim 8 wherein said step of withdrawing said <u>first and second fluids</u> fluid in a vapor state further comprises: reducing the pressure in said chamber causing said <u>first and second fluids</u> fluid

to flash to form a vapor; and

withdrawing said vapor from said chamber.

10. (currently amended) The method of treating an object in claim 8 wherein said step of withdrawing said <u>first and second fluids</u> fluid in a vapor state further comprises:

circulating an unsaturated mixture of air and vapor from said first and second fluids an unsaturated air-vaper mixture in a closed loop between said first and second fluid holding tanks and said chamber to dry said object and remove said vapor from said chamber.

- 11. (currently amended) The method of treating an object in claim 10 wherein said circulating <u>unsaturated mixture</u> air vapor mixture is heated to increase the saturation point of the air vapor mixture to improve said drying of said object.
- 12. (currently amended) The method of treating an object in claim 11 wherein said circulating air-vaper unsaturated mixture is compressed and cooled to decrease the solvent-vapor content of the air-vapor mixture to improve said drying of said object.